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INFORMATION DISCLOSURE TRANSMITTAL

Docket No. B0004/7112

Applicant: Roman Zubarev, Frank Kjeldsen, Igor Ivonin and Oleg Silivra
Serial No: 10/644,648
Filed: August 20, 2003
For: ELECTRON-ION FRAGMENTATION REACTIONS IN MULTIPOLAR
RADIOFREQUENCY FIELDS
Examiner: Not Yet Assigned
Art Unit: 2881

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 12, 2004.

Brenda A. Kantorski
Brenda A. Kantorski

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In keeping with the duty of candor and good faith owed to the Patent and Trademark Office, Applicant wishes to bring information to the attention of the Examiner. The filing of this statement shall not be construed as a representation that a search has been made or as an admission that this information is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

Enclosures

- ☒ A form PTO-1449 listing this information is attached
☒ A copy of each document cited is enclosed.
☐ Copies of the cited documents are not enclosed because

Fees

- ☒ This statement is filed before the later of (1) three months of (i) the filing of a national application or (ii) the entry date for the national stage of an international application or (2) the mailing date of a first office action on the merits. No fee is due.
☐ This statement is filed before the mailing date of a final office action, a notice of allowance or an action that otherwise closes prosecution, and
☐ The submission fee of \$180.00 under 37 CFR §1.17(p) is enclosed, or
☐ The following certification is made:
☐ each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement, or
☐ no item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign

application and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

- ☐ This statement is filed on or before payment of the issue fee, the submission fee of \$180.00 under 37 CFR §1.17(p) is enclosed, and
- ☐ each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement, or
- ☐ no item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

Payment

- ☐ A check in the amount of the submission fee is enclosed.
- ☐ Charge Account No. in the amount of the submission fee. A duplicate of this transmittal sheet is attached.

Authorization to Charge Additional Fees

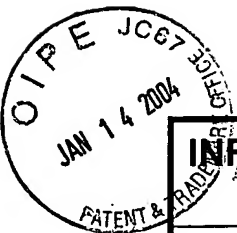
- ☒ The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. §1.16 and §1.17 required by the attached paper and during the entire pendency of this application to Account No. 02-3038.

Respectfully submitted,



Date: January 12, 2004

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**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT Sheet 1 of 1**

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OTHER PRIOR ART – NON PATENT LITERATURE AND DOCUMENTS

Exam Inits	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the articles (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		ZUBAREV, Roman A., "Reactions of Polypeptide Ions With Electrons In The Gas Phase", Mass Spectrometry Reviews, Vol. 22, Wiley Periodicals, Inc., 2003, pp. 57-77.	<input type="checkbox"/>
		ZUBAREV, Roman A. et al., "Electron Capture Dissociation of Multiply Charged Protein Cations. A Nonergodic Process", Journal of the American Chemical Society, Vol. 120, March 24, 1998, pp. 3265-3266.	<input type="checkbox"/>
		HASELMANN, Kim F. et al., "Advantages of External Accumulation for Electron Capture Dissociation in Fourier Transform Mass Spectrometry", Analytical Chemistry, Vol. 73, May 24, 2001, pp. 2998-3005.	<input type="checkbox"/>
		HORN, David M. et al., "Automated <i>de novo</i> sequencing of proteins by tandem high-resolution mass spectrometry", PNAS, Vol. 97, No. 19, September 12, 2000, pp. 10313-10317.	<input type="checkbox"/>
		KJELDTSEN, Frank et al., "Dissociative capture of hot (3-13 eV) electrons by polypeptide polycations: an efficient process accompanied by secondary fragmentation", Chemical Physics Letters, Vol. 356, Elsevier Science B.V., 2002, pp. 201-206.	<input type="checkbox"/>
		BUDNIK, Bogdan A. et al., "Electron detachment dissociation of peptide di-anions: an electron-hole recombination phenomenon", Chemical Physics Letters, Vol. 342, Elsevier Science B.V., 2001, pp. 299-302.	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner
Signature

Date
Considered